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An Effort to Reduce Sudden Unexpected Infant Deaths **Modeling Safe Sleep:**

Zachary J. Weber, DO', John D. Laskoski, MD2, and Nicholas R. Carr, DO' ¹ Department of Pediatrics, San Antonio Military Medical Center, San Antonio, Texas, ² Department of Pediatrics, Wilford Hall Medical Center, San Antonio, Texas

INPATIENT CHANGES

NATIONAL CERTIFICATION

STAFF EDUCATION

suffocation, or unknown causes. SIDS is the leading cause of death in infants between 1 month and 1 Each year, about 4,000 infants die unexpectedly during sleep time, from SIDS, accidental

ABSTRACT

- National Institute of Child Health and Human Development

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And EVERY 2 days a baby dies in Texas





by improving health provider and parent education, standardizing safety practices, and correcting incorrect modeling of sleep environments during inpatient admission. Secondary aim is reduction of the local rate of Sudden AIM: The aim of this quality improvement process is to improve safe sleep modeling in the Newborn Nursery and Neonatal Intensive Care Unit (NICU) Inexpected Infant Death (SUID) in a highly afflicted metropolitan community

Review Team reached out to local facilities to implement an outreach program to address the rising rates of SUID. Most facilities surveyed lacked a standardized system of modeling safe sleep in the NICU and Newborn disproportionately elevated in our community with a large proportion of deaths that have been attributed to unsafe sleep practices. The County Child Fatality SACKGROUND: There has been a recent spike in SUID nationally which is

skep modeling with documentation of exceptions and readiness for safe skep recorded. The audit assessed elevating the head of the bed, reconate in supine, the presence of stuffed animals, extra blankets, fulfly blankets, neurate in a was implemented in the Nursery and NICU to model safe sleep environments prior to discharge. Bedside placards with visual safe sleep reminders and standard operating procedure using the revised AAP and NICHD guidelines METHODS: The project was implemented at a large Level III NICU with associated 1800 deliveries annually to the Newborn Nursery service. A mandatory education was provided to nurses and providers via online modules and didactic teaching sessions. Direct bedside audits were completed for safe nest, neonate not being swaddled, the use of positioning devices, and cotandardized order sets were created for each department. Comprehensive

RESULTS: Comprehensive provider education and safe sleep requirements were implemented from October 2015 to January 2016. Quarterly bedside audit was conducted throughout 2016 utilizing a checklist for all infants meeting criteria for readmess; havemental improvement of appropriate safe sleep modeling was noted, with neonates modeling safe sleep 70.8%, 72%, 89.9%, and 98.3% by quarter respectively. Each aspect of the audit was analyzed using a chi-squared test with head elevation, extra blankets, nesting, not syadding, and use of positioning devices were all statistically significant



1. NICHD and AAP Recommendations

- AAP 2011 Policy Statement
- NICHD Public Education Campaign Pediatrics. 2011 Nov;128(5):1030-9. doi: 10.1542/peds.2011-2284
- https://www.nichd.nih.gov/sts/Pages/default.aspx
- 2. Nursing Education
- Online training and free nursing CE provided via NICHD
 https://www.nichd.nih.gov/cbt/sids/nursececourse/Welcome.aspx

PICU	PEDS	NICU	Labor & Delivery	5 West (Mother/Baby)	5 East (Antepartum)	Department
24/24	36/36	60/60	71/71	34/34	29/29	Caregivers
100%	100%	100%	100%	100%	100%	% Completion

3. Physician Education

- Pediatric residency and Neonatal-Perinatal Fellowship Group education and direct on-rotation training provided

FE TO SLEEP



1. Patient Safety Placards

Newborn and NICU services

Implemented with standardized order sets Bedside reminders of modeling safe sleep practices

SAFE SLEEP CHAMPION

2. Halo Sleep Sacks In-hospital and Take-home

- Newborn, NICU, Pediatric, PICU services Newborn and preemic sizes utilized
- other unsafe objects for stable infants in place of excess blankets, beanbags, pillow rolls, and

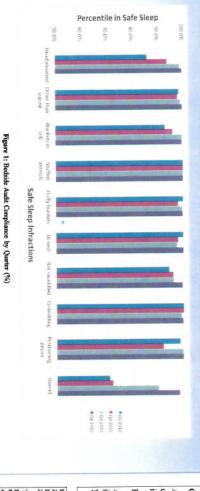


- 3. Parent Education Newborn and NICU services
- Revision of discharge teaching by nursing and physician providers
- Discharge handouts and video with NICHD recommendations
- subsequent pediatric clinic appointments Review of recommendations at newborn follow up and
- 4. Revision of Standard Operating Policies
- Newborn and NICU services
- care practices and education Implementation of AAP and NICHD guidelines into standard



The National Safe Sleep Hospital Certification Program was created in partnership with leading infant health and safety organizations such as All Baby & Child, The National Center for the Review & Prevention of Child Deaths, Association of SIDS and Infant Mortality Programs, Kids In Danger, Children's Safety Network, American SIDS Institute, Charlie's Kids, CJ Foundation for SIDS, and numerous state American Academy of Pediatric chapters and health departments.

AUDIT RESULTS



CONCLUSIONS

improvement project. criteria for modeling safe sleep at the initiation of quality Almost thirty percent of inpatient neonate's cribs did not meet

Head of the bed elevations were the most common violation.

NICU and nursery environments over a 1 year assessment period improved greatly with a 98.3% rate of modeling safe sleep in the After re-education and visual reminders all areas of safe sleep

For additional information please contact:

Zachary Weber, DO,

Dept of Pediatrics, San Antonio Military Medical Center, San Antonio, TX

Zachary j. weber9 mil@mail mil

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